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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/823,534	04/14/2004	Tsun-Chi Liao	2450-0671PUS1	4457
2292	7590	11/28/2007	EXAMINER	
BIRCH STEWART KOLASCH & BIRCH			QIN, JIANCHUN	
PO BOX 747			ART UNIT	
FALLS CHURCH, VA 22040-0747			PAPER NUMBER	
			2837	
			NOTIFICATION DATE	
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			11/28/2007	
			ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

Office Action Summary	Application No. 10/823,534	Applicant(s) LIAO, TSUN-CHI	
	Examiner Jianchun Qin	Art Unit 2837	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 September 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date: _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hipwood (U. S. Pat. No. 1,429,428) in view of Yanagisawa (U. S. Pat. No. 5881981).

Regarding claim 1, Hipwood discloses an elastomeric spring installed to the tip of a stand (Figs. 1-3), comprising: a base (8) made of an elastic material (page 1, lines 51-54) and having a space mode substantially in an axial symmetry (Figs. 1-3); an installation space (7) disposed at the top of said base (Figs. 1-2), disposed in said installation space, for inserting and securing the tip of said stand (page 1, lines 48-51); a

protruded middle section (9), extending outwardly from a lower section of said base in a spherical shape formed by a shell wall (Fig. 2); said protruded middle section having a hollow center (13) formed in the shape of a truncated sphere (Fig. 2; page 1, lines 71-73); a circular opening (Figs. 2-3, the opening formed by 12) in said shell wall having a diameter smaller than a diameter of said hollow center (Figs. 2-3), disposed only at a bottom of said protruded middle section for contacting a floor and in communication with said hollow center (Figs. 2-3; page 1, lines 65-89).

Hipwood does not mention expressly: said elastomeric spring is installed to an end of a musical instrument stand.

Yanagisawa teaches an elastomeric spring installed to an end of a musical instrument stand (Figs. 1-5; col. 1, lines 30-40).

In view of the teaching of Yanagisawa, one having ordinary skill in the art would be able to apply the invention of Hipwood to an end of a musical instrument stand, in order to provide a spring tip for a stand that can produce a suction action to hold the tip firmly to the floor, pavement or other support thus preventing it from slipping (Hipwood, page 1, lines 80-86), and which is efficient to isolate vibrations generated from a musical instrument (Yanagisawa, col. 2, lines 21-24).

Regarding claim 2, Hipwood discloses: wherein said installation space has a shape designed according to the appearance of the tip of the stand (Figs. 1-3).

Hipwood does not mention expressly: said stand is a musical instrument stand.

Yanagisawa teaches installing an elastomeric spring to an end of a musical instrument stand (Spec. page 1, lines 7-25 and page 2, lines 1-5).

In view of the teaching of Yanagisawa, one having ordinary skill in the art would be able to merely apply the invention of Hipwood to an end of a musical instrument stand in order to provide a spring tip for a stand that can produce a suction action to hold the tip firmly to the floor, pavement or other support thus preventing it from slipping (Hipewood, page 1, lines 80-86). The mere application of a known technique to a specific instance by those skilled in the art would have been obvious.

Regarding claim 3, Hipwood discloses: wherein said installation space has a size slightly smaller than the external diameter of said tip of the stand, thereby said stand is pressed tightly into said installation space by the elasticity of said base (Figs. 1-3; page 1, lines 47-51).

Regarding claim 4, Hipwood discloses: wherein said elastic material is rubber (page 1, lines 51-52 and 65-67).

Regarding claim 5, Hipwood discloses: wherein said truncated sphere is surrounded by said shell wall (Figs. 2-3).

Regarding claim 6, Hipwood discloses: wherein said circular opening in said shell wall increases slip resistance (page 1, lines 80-86).

Response to Arguments

4. Applicant's arguments received 09/27/07 with respect to claims 1-6 have been considered but are moot in view of the new ground(s) of rejection.

Claims 1-6 are rejected as new prior art reference (U. S. Pat. No. 1,429,428 to Hipwood) has been found to teach the claimed invention recited in these claims.

Detailed response is given in section 3 as set forth above in this Office action.

Contact Information

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jianchun Qin whose telephone number is (571) 272-5981. The examiner can normally be reached on 8am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lincoln Donovan can be reached on (571) 272-1988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

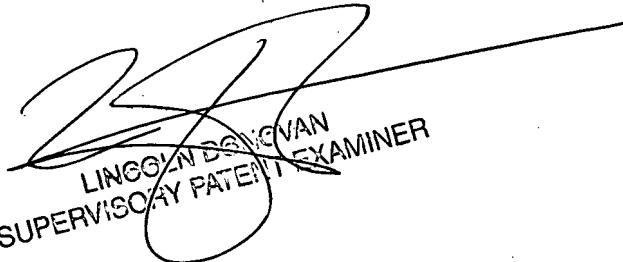
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USPTO Customer Service Representative or access to the automated information
system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Jianchun Qin
Examiner
Art Unit 2837

JQ JQ


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SUPERVISORY PATENT EXAMINER